

FIG. 1

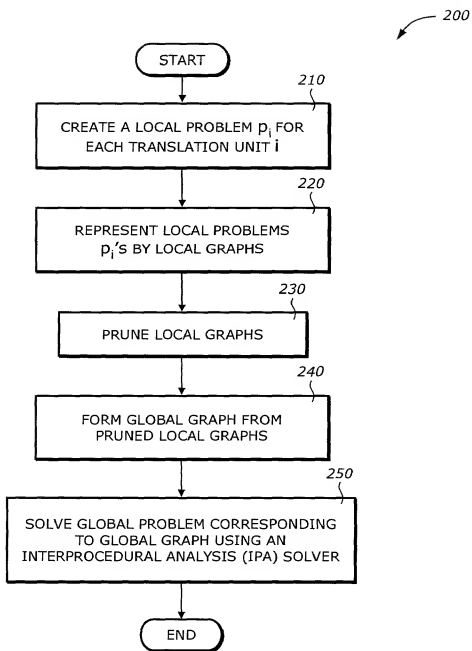


FIG. 2

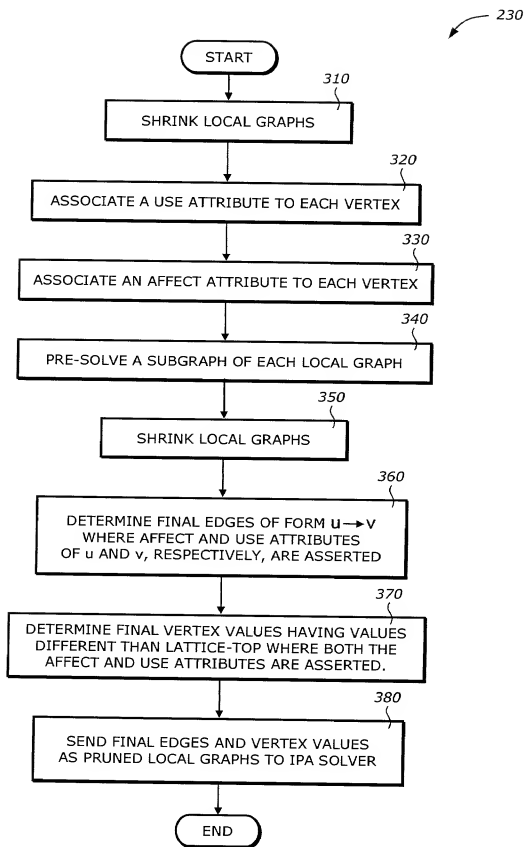


FIG. 3

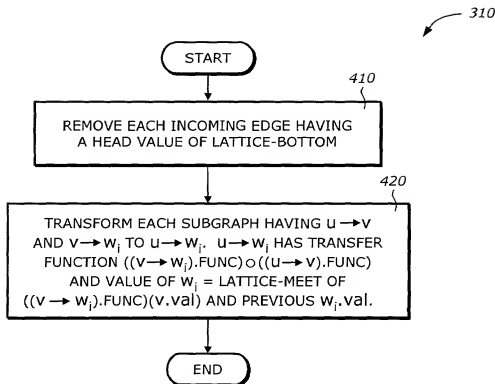


FIG. 4A

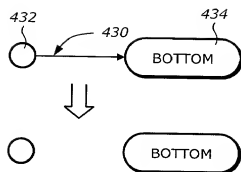


FIG. 4B

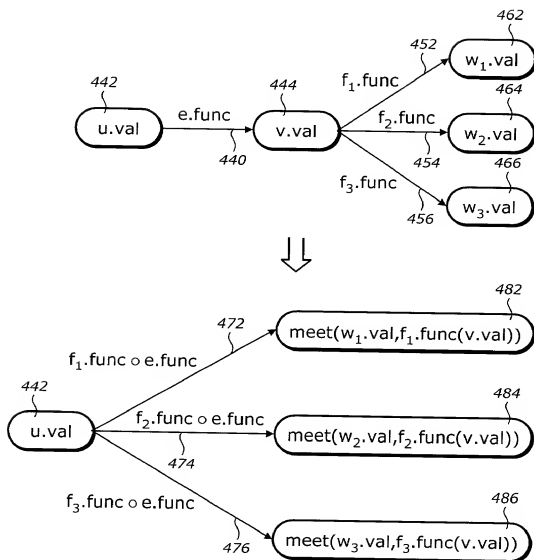


FIG. 4C

```
Procedure ASSOCIATE_USE_ATTRIBUTE(g)
g:graph
begin
  for each vertex u in g, do
    u.uses_named_vertex:= false;
  enddo
  for each vertex u do
    if u is a named vertex then
      MARK_USES(u)
    endif
  enddo
end

Procedure MARK_USES(u)
u:vertex;
begin
  if (not u.uses_named_vertex) then
    u.uses_named_vertex:= true;
    for each edge of form  $u \rightarrow v$  do
      MARK_USES(v)
    enddo
  endif
end
```

FIG. 5

```

Procedure MARK_USES(v)
v:vertex;

begin
    if (not v.affects_named_vertex) then
        v.affects_named_vertex:= true;
        for each edge of form  $u \rightarrow v$  do
            MARK_AFFECTS(u)
        enddo
    endif
end

```

FIG. 6

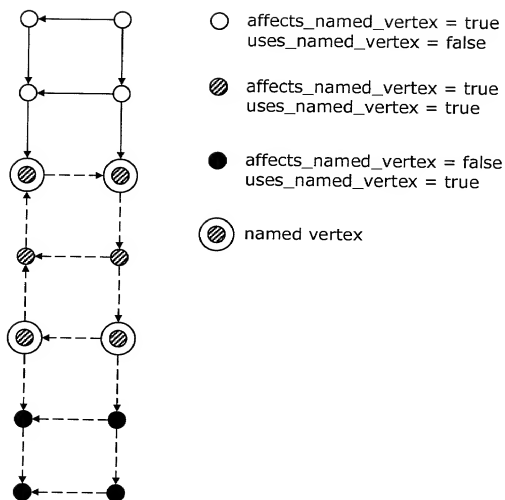


FIG. 7

UNREFERENCED

|

STATIC

|

EXTERNAL

FIG. 8

/*TRANSLATION UNIT #1*/

```
extern void c();
extern void e();
```

```
static void f(){
    c();
    e();
}
```

```
void d(){
    f();
}
```

```
void e(){
}
```

```
main(){
    d();
}
```

/*TRANSLATION UNIT #2*/

```
void b();
static void (*a)()=b;
```

```
extern void d();
extern void e();
```

```
void b(){
    d();
    (*a)();
}
```

```
void c(){
    e();
}
```

FIG. 9

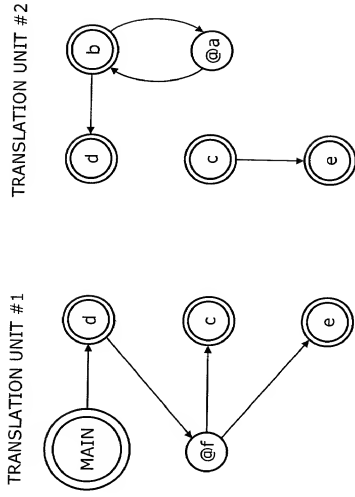


FIG. 10

UNIT #1 EDGES	UNIT #2 EDGES	FUNCTION
$\text{main} \rightarrow d$ $d \rightarrow @f$ $@f \rightarrow c$	$b \rightarrow @a$ $@a \rightarrow b$	$\{S, E\} \rightarrow S;$ $U \rightarrow U$
$@f \rightarrow c$	$c \rightarrow e$ $b \rightarrow d$	$\{S, E\} \rightarrow E;$ $U \rightarrow U$

FIG. 11

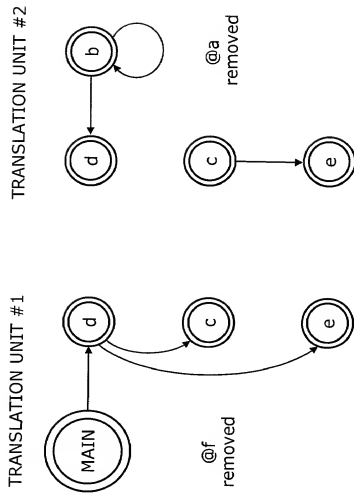


FIG. 12

UNIT #1 EDGES	UNIT #2 EDGES	FUNCTION
main \rightarrow d d \rightarrow e	b \rightarrow b	$\{S, E\} \rightarrow S;$ U \rightarrow U
d \rightarrow c	c \rightarrow e b \rightarrow d	$\{S, E\} \rightarrow E;$ U \rightarrow U

FIG. 13

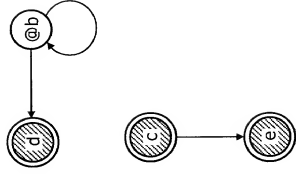


FIG. 14

FIG. 15